

REMARKS

Claims 1-9, 11-20 and 22 are in the application.

Claim 10 has been canceled without prejudice. The Applicants reserve the right to reassert claim 10 in a continuation application.

Claim Objections

In the Office Action, the Examiner has objected to claims 2, 5, 11-20 and 22 because of various informalities. As argued in the previous response filed November 16, 2005, the Applicants believe these objections are improper. Nevertheless, in the interest of advancing prosecution, the Applicants have amended claims 2, 5, 11-20 and 22 as suggested by the Examiner to overcome these objections.

Allowable Subject Matter

The Applicants thank the Examiner for allowing claims 1, 3, 4 and 6-9.

In the Office Action, the Examiner has noted that claims 2, 5 and 22 would be allowed if rewritten to overcome the above objections. As noted above, the Applicants have amended these claims per the Examiner's suggestions and therefore believe these claims are in condition for allowance.

In the Office Action, the Examiner has noted that claims 14 and 18-20 would be allowable if rewritten to include all of the limitations of the base claim and any intervening claims and to overcome the above objections. The Applicants have rewritten claims 14, 18 and 19 to include all of the limitations of the base claims and any intervening claims and therefore believe these claims are in condition for allowance. Claim 20 was not rewritten to include the limitations of the base claim and any intervening claims as it is dependent on claim 19 which is believed to be allowable.

§103 Rejections

In the Office Action, the Examiner rejected claims 10-13 and 15-17 under 35 U.S.C. § 103 as being unpatentable over U.S. Patent Number 6,473,411 to Kumaki et al. (hereinafter

“Kumaki”) in view of U.S. Patent Number 6,601,101 to Lee et al. (hereinafter “Lee”) and U.S. Patent Number 4,527,267 to Cohen (hereinafter “Cohen”). Later in the Office Action, the Examiner discusses “Causey” and makes no mention of Lee or Cohen. The Applicants assume that the Examiner meant to say that claims 10-13 and 15-17 are rejected under 35 U.S.C. § 103 as being unpatentable over Kumaki in view of U.S. Patent 6,687,500 to Causey (hereinafter “Causey”) which is listed in the PTO-892 submitted with the Office Action.

Brief Description of the Cited Art

Kumaki describes a technique for pausing the transmission of packets to a mobile device at the time of a wireless handoff. According to the technique, at the time of handoff, an entry state associated with a connection to the wireless device Kumaki packet transmission is set to indicate the connection is in a pause state. Setting the entry state to a pause state causes packets destined for the mobile device to be queued rather than transmitted over the connection. After the handoff is complete, packet transmission is resumed. See Kumaki, column 54, lines 20-41.

Kumaki also indicates that pausing packet transmissions over a Transmission Control Protocol (TCP) connection may influence the operation of TCP. To deal with this situation, Kumaki suggests the TCP window size may be reduced so as to lower the transfer rate at the transmitting side.

Causey describes a base station simulator that provides testing of soft handoff functionality for mobile stations. See Causey, Abstract. The base station simulator includes two processors for generating forward transmission signals to simulate signals from two base stations. A generator generates a signal containing Gaussian white noise which is added to a signal generated by a processor to produce a digital signal containing the white noise. The digital signal is converted to an analog signal by a digital-to-analog (D/A) converter, modulated and transmitted to a mobile unit to simulate noise in a forward link signal to the mobile unit. See Causey, column 6, lines 1-25.

Signals transmitted from a mobile unit are received by the simulator and, demodulated and converted to an analog signal. The analog signal is fed to an analog-to-digital (A/D) converter to produce a digital signal. The digital signal is fed to a processor which processes the

signal and measures signal level or modulation accuracy of the transmitted signal. See Causey, column 6, lines 30-45.

The simulator may be used to generate signals at different levels. The mobile unit receives the signals and generates messages which report the received signal levels to the simulator. The simulator processes the messages to verify the operation of the mobile unit. See Causey, column 7, lines 1-22.

Differences between the Cited Art and the Present Invention

Claim 10 has been canceled without prejudice and thus is considered moot with regards to this rejection. The following arguments relate to the remaining rejected claims 11-13 and 15-17.

The Applicants respectfully submit that neither Kumaki nor Causey taken either singly or in combination teach the Applicants' claimed ***filter configured to filter out packets that are not acknowledgment signals from the first device and forward the filtered out packets to the second device*** which is now recited in claims 11-13 and 15-17.

Both Kumaki and Causey are silent with regards to acknowledgment signals. In Kumaki, packets destined for a mobile unit are either transmitted or not transmitted from a base station to the mobile unit based on the state of a connection between the base station and the mobile unit. Whether the packet is an acknowledgement packet or not has no bearing on whether the packet is transmitted to the mobile unit. Thus, Kumaki has no need for a filter that filters out packets that are not acknowledgment packets. Likewise, in Causey packets are transmitted between the base station and the mobile unit without regard to whether the packets are acknowledgment packets or not. Therefore, like Kumaki, Causey has no need for a filter that filters out packets that are not acknowledgment packets.

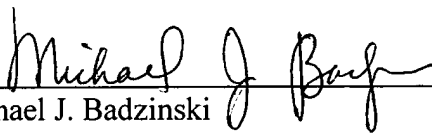
For reasons set forth above, the Applicants respectively submit that Kumaki and Causey taken either individually or in combination do not render the Applicants' claims 11-13 and 15-17 obvious under 35 U.S.C. § 103. Therefore, the Applicants respectfully request that the above rejections to claims 11-13 and 15-17 be withdrawn.

CONCLUSION

In view of the above amendments and remarks, it is believed that all claims are in condition for allowance, and it is respectfully requested that the application be passed to issue. If the Examiner feels that a telephone conference would expedite prosecution of this case, the Examiner is invited to call the undersigned.

Respectfully submitted,

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